

CLAIMS:

I claim:

- 1        1. A wobbling sprinkler head comprising:
  - 2            a sprinkler head main frame having a nozzle base
  - 3            having a nozzle therein and at least one arm extending
  - 4            therefrom supporting a deflector supporting base, said
  - 5            nozzle base being attached to a water supply and
  - 6            having a water inlet for directing water through said
  - 7            nozzle;
  - 8            a water deflecting head having a shaft movably
  - 9            attached to said deflector supporting base and having
  - 10          a water deflecting surface attached to one end of said
  - 11          shaft and positioned to deflect water being emitted
  - 12          from said nozzle, said water deflector surface having
  - 13          a predetermined shape to cause movement of said water
  - 14          deflector head responsive to water being directed
  - 15          thereagainst, and said shaft having a counterbalancing
  - 16          weight on the other end thereof; and
  - 17          said water deflecting surface having a protrusion
  - 18          extending therefrom adjacent one side of a portion of
  - 19          said nozzle base to thereby tilt said water deflecting
  - 20          head to one side of said nozzle to thereby cause said
  - 21          water deflecting head to wobble responsive to water
  - 22          directed thereagainst from said nozzle;
  - 23          whereby said water deflecting head has a wobbling
  - 24          motion while distributing water from said sprinkler
  - 25          head while dampening vibrations with a counterweight.

1           2. A wobbling sprinkler head in accordance with  
2        claim 1 in which said water deflecting surface  
3        extending protrusion forms an apex in the center of  
4        said water deflecting surface.

1           3. A wobbling sprinkler head in accordance with  
2        claim 2 in which said water deflecting surface  
3        protrusion is generally cone shaped.

1           4. A wobbling sprinkler head in accordance with  
2        claim 1 in which said deflector supporting base has  
3        opening therein with said shaft extending therethrough

1           5. A wobbling sprinkler head in accordance with  
2        claim 4 in which water deflecting head shaft has a  
3        spool bushing between the ends thereof riding in said  
4        deflecting base opening.

1           6. A wobbling sprinkler head in accordance with  
2        claim 1 in which said opening in said deflector  
3        supporting base is large enough to allow said shaft to  
4        tilt and wobble during rotation.

1           7. A wobbling sprinkler head in accordance with  
2        claim 1 in which said counterweight is removably  
3        mounted to the other end of said shaft.

1           8. A wobbling sprinkler head in accordance with  
2        claim 7 in which said counterweight is press fitted  
3        into said shaft.

1           9. A wobbling sprinkler head in accordance with  
2 claim 1 in which said deflector supporting base has an  
3 open bottom to access said counterweight.

1           10. A wobbling sprinkler head in accordance with  
2 claim 1 in which said sprinkler head main frame has  
3 three arms.